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TECH CENTER 1600/2900



1600

1632

RAW SEQUENCE LISTING

DATE: 05/29/2002

PATENT APPLICATION: US/09/380,324A

TIME: 16:32:48

Input Set : A:\11692-002001.txt

Output Set: N:\CRF3\05292002\I380324A.raw

ENTERED

USE

C-->

4 <110> APPLICANT: Cichutek, Klaus
 5 Stitz, Jorn
 7 <120> TITLE OF INVENTION: RETROVIRAL VECTORS, METHODS FOR THEIR PREPARATION AND THEIR
 8 FOR GENE TRANSFER INTO CD4-POSITIVE CELLS
 10 <130> FILE REFERENCE: 11692-002001
 12 <140> CURRENT APPLICATION NUMBER: US 09/380,324A
 13 <141> CURRENT FILING DATE: 1999-08-27
 15 <150> PRIOR APPLICATION NUMBER: PCT/DE98/00593
 16 <151> PRIOR FILING DATE: 1998-02-27
 18 <150> PRIOR APPLICATION NUMBER: DE 197 07 971.7
 19 <151> PRIOR FILING DATE: 1997-02-27
 21 <150> PRIOR APPLICATION NUMBER: DE 198 08 438.2
 22 <151> PRIOR FILING DATE: 1998-02-27
 24 <160> NUMBER OF SEQ ID NOS: 20
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 35
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Artificial Sequence
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: Synthetic oligonucleotide
 36 <400> SEQUENCE: 1
 37 ctagctagca tgcccctagg atcagaagaa agaag 35
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 40 <211> LENGTH: 33
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Artificial Sequence
 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: Synthetic oligonucleotide
 47 <400> SEQUENCE: 2
 48 ccgctcgagc taattaagga ttccttcaag gcc 33
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 30
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Synthetic oligonucleotide
 58 <400> SEQUENCE: 3
 59 caaggetgag acaagcttgg tgtcacttcc 30
 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 48
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Artificial Sequence

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66 <220> FEATURE:
67 <223> OTHER INFORMATION: Synthetic oligonucleotide
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74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Synthetic oligonucleotide
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81 cgggttgata tggatctgtg gttaagcggc cgcctaaccc tgcctaaccc      50
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 48
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Synthetic oligonucleotide
91 <400> SEQUENCE: 6
92 tactctctc tttctcggc ccgctaaatc caccctgtga agggacag      48
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 53
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
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100 <223> OTHER INFORMATION: Synthetic oligonucleotide
102 <400> SEQUENCE: 7
103 tcccttccac ggggtggattt agcggccgcg agaaagagga gagtaaccct gcc      53
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107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Synthetic oligonucleotide
113 <400> SEQUENCE: 8
114 atccaccggt ggaagggcgg ccgctaaaac gcagaagggc c      41
116 <210> SEQ ID NO: 9
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118 <212> TYPE: DNA
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121 <220> FEATURE:
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125 cccttctgcg ttttagcggc cgcccttcca cgggttgata tgg      43
127 <210> SEQ ID NO: 10
128 <211> LENGTH: 56
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:

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136 aaaaggaaaa gcggccgctc gattagtcca atttgtaaa gacaggatat cagtgg      56
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139 <211> LENGTH: 51
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Synthetic oligonucleotide
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147 aaaaggaaaa gcggccgcga caggatatca gtggtccagg ctctagtttt g      51
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150 <211> LENGTH: 49
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152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic oligonucleotide
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161 <211> LENGTH: 24
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 13
166 Val Leu Gly Ile Ile Gly Leu Arg Leu Leu Tyr Thr Val Tyr Ser Cys
167 1          5          10          15
168 Ile Ala Arg Val Arg Gln Gly Tyr
169          20
171 <210> SEQ ID NO: 14
172 <211> LENGTH: 19
173 <212> TYPE: PRT
174 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 14
177 Ser Pro Leu Ser Pro Gln Ile His Ile Pro Trp Leu Gly Gln Pro Asp
178 1          5          10          15
179 Asn Ala Glu
182 <210> SEQ ID NO: 15
183 <211> LENGTH: 15
184 <212> TYPE: PRT
185 <213> ORGANISM: Homo sapiens
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189 1          5          10          15
191 <210> SEQ ID NO: 16
192 <211> LENGTH: 7
193 <212> TYPE: PRT
194 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 16
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200 <210> SEQ ID NO: 17
201 <211> LENGTH: 16
202 <212> TYPE: PRT
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205 <400> SEQUENCE: 17
206 Ser Pro Leu Ser Arg Gly Arg Asn Arg Ile Ser Val Val Gln Ala Leu
207 1 5 10 15
209 <210> SEQ ID NO: 18
210 <211> LENGTH: 19
211 <212> TYPE: PRT
212 <213> ORGANISM: Homo sapiens
214 <400> SEQUENCE: 18
215 Ala Ala Ala Arg Leu Val Gln Phe Val Lys Asp Arg Ile Ser Val Val
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217 Gln Ala Leu
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221 <211> LENGTH: 30
222 <212> TYPE: PRT
223 <213> ORGANISM: Mus musculus
225 <400> SEQUENCE: 19
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227 1 5 10 15
228 Val Leu Leu Met Ile Leu Leu Phe Gly Pro Cys Ile Leu Asn
229 20 25 30
231 <210> SEQ ID NO: 20
232 <211> LENGTH: 16
233 <212> TYPE: PRT
234 <213> ORGANISM: Mus musculus
236 <400> SEQUENCE: 20
237 Arg Leu Val Gln Phe Val Lys Asp Arg Ile Ser Val Val Gln Ala Leu
238 1 5 10 15

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VERIFICATION SUMMARY

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date